

DW 25 - LRBT iO

4-channel Wall-mounted Audio Input Panel , 48V phantom power supply



PRODUCT OVERVIEW

The **Resoundify DW 25 - LRBT iO** is a 4-channel wall-mounted audio input panel designed for professional AV installations. It supports multiple input sources and delivers high-quality audio transmission to the connected sound system. With an integrated 48V phantom power supply, it can directly power condenser microphones and other phantom-powered devices, ensuring clear, noise-free audio capture. Its wall-mount design provides a neat, space-saving installation, ideal for conference rooms, auditoriums, classrooms, and multi-zone audio systems.

Equipped with 48V phantom power, it supports condenser microphones and other studio-grade audio equipment without requiring external power supplies. The unit ensures high-fidelity audio transmission with minimal interference, making it suitable for high-demand environments like conference halls, lecture theatres, hotels, houses of worship, and event spaces.

KEY FEATURES

- 4-Channel Audio Input:** Supports multiple sources such as microphones, instruments, and line-level devices.
- 48V Phantom Power Supply:** Powers condenser microphones and other phantom-powered audio equipment directly.
- Wall-Mounted Design:** Provides a clean, space-saving installation ideal for fixed AV setups.
- High-Fidelity Audio Transmission:** Ensures clear, low-noise, and distortion-free sound.
- Multi-Source Compatibility:** Accepts balanced/unbalanced inputs for versatile audio connections.
- Durable Construction:** Built with robust materials for long-term professional use.
- User-Friendly Operation :** Simple controls for easy use by technical and non-technical users.
- Professional Integration :** Ideal for conference rooms, auditoriums, classrooms, hotels, and event venues.
- Low Power Consumption :** Efficient design for continuous operation.
- Ideal for Permanent Installations :** Conference halls, hotels, schools, houses of worship, and multi-zone audio systems.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

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TECHNICAL SPECIFICATIONS

Technical Specifications

Model	DW 25 - LRBT iO
Type	4-Channel Wall-Mounted Audio Input Panel
Installation	Standard wall-mount back box / surface mount
Housing Material	High-grade metal/aluminum front plate
Finish	Powder-coated / anodized finish
Inputs	4 × Balanced/Unbalanced audio inputs (XLR / TRS combo)
Input Types	Mic / Line selectable
Phantom Power	+48V DC, switchable per channel
Frequency Response	20 Hz - 20 kHz (± 1 dB)
Total Harmonic Distortion (THD+N)	< 0.05% @ 1 kHz
Signal-to-Noise Ratio (SNR)	≥ 90 dB
Input Impedance	Mic: $2\text{ k}\Omega$ Line: $20\text{ k}\Omega$
Power Supply	24 VDC / 50 mA
Power Consumption	10 mA

Connection

XLR / TRS Combo Jacks (Ch 1-4)	For mic or line input devices
Bluetooth Pair Button (optional)	For pairing mobile devices
LED Indicators	Show phantom power status, signal presence, and Bluetooth link
Terminal Block / Phoenix Connectors	Balanced audio output to mixer/amplifier
DC Power Input or PoE Port	For powering the unit
Ground Terminal	For proper system grounding

Mechanical Specifications

Panel Size	86 × 86 mm
Depth	~40-50 mm
Weight	~0.3-0.5 kg
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Humidity	10% - 90% (non-condensing)